

Substitute for Form 1449 A & B/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	10/714,631
		Confirmation Number	3244
		Filing Date	November 18, 2003
		First Named Inventor	Jin-seung SOHN
		Art Unit	<del>262</del> 2627
		Examiner Name	Brian E. MILLER
Attorney Docket Number	Q78520		
Sheet	1	of	

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
<i>B</i>		US 4,730,299	A	03/08/1988	KAMOSHITA et al. <i>(previously cited &amp; considered)</i>
<i>B</i>		US 5,256,037	A	10/26/1993	CHATELAIN <i>(previously cited &amp; considered)</i>
		US			
		US			
		US			
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		US			
		US			
		US			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
<i>B</i>		JP	03-086968	A	04/11/1991	FUJITSU LTD. <i>(previously cited)</i>	Abstract
<i>B</i>		JP	59-112402	A	06/28/1984	TOSHIBA CORP. <i>(previously cited)</i>	Abstract
<i>B</i>		CN	1089700	A	07/20/1994	<i>(previous cited)</i>	

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature	<i>B E Miller</i>	Date Considered	3/8/06
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

## Complete if Known

Application Number	10/337,869
Confirmation Number	Unknown
Filing Date	January 8, 2003
First Named Inventor	Jin-seung SOHN
Art Unit	2653 (Parent) <del>2627</del>
Examiner Name	G. Letscher (Parent) <del>B. Miller</del>
Attorney Docket Number	Q73758

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
B		US 3,652,235 ✓	A	3/1972	MANILLA et al.
		US 4,674,356 ✓	A	6/1987	KILGORE
		US 5,256,037 ✓	A	10/1993	CHATELAIN
		US 5,352,947 ✓	A	10/1994	MACLEOD
		US 5,690,017 ✓	A	11/1997	RIEDLINGER
		US 5,829,318 ✓	A	11/1998	HANNAH et al.
		US 5,903,540 ✓	A	5/1999	RO et al.
		US 5,941,133 ✓	A	8/1999	WIERZBA et al.
		US 6,005,311 ✓	A	12/1999	MATSUSHIMA
		US 6,005,749 ✓	A	12/1999	IKUTA et al.
		US 6,065,368 ✓	A	5/2000	SOHN
		US 4,808,441 ✓		2/1989	CHATTHA et al.
		US 6,198,715 ✓	B1	3/2001	KOUNO et al.
		US 6,295,269 ✓	B1	9/2001	TAKEUCHI et al.
		US 4,075,909 ✓	A	2/1978	DEAKIN
		US 6,456,583 ✓	B1	9/2002	SOHN et al.
		US 6,373,154 ✓	B1	4/2002	SOHN et al.
		US 4,730,299 ✓		3/1988	KAMOSHITA et al.
		US 5,111,713 ✓	A	5/1992	CAMERON et al.
		US 5,391,952 ✓	A	2/1995	SIMAZU et al.
		US 6,061,325 ✓	A	5/2000	ZAUN
		US 6,155,134 ✓	A	12/2000	IKUTA et al.
		US 5,555,144 ✓	A	9/1996	WOOD et al.
		US 6,125,098 ✓	A	9/2000	OSAWA
		US 4,561,035 ✓		12/1985	MCDORMAN et al.
B		US 6,388,981 ✓	B1	5/2002	SOHN et al.

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Confirmation Number	Unknown
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First Named Inventor	Jin-seung SOHN
Art Unit	2653 (Parent) 2627
Examiner Name	G. Letscher (Parent) B. MILLER
Attorney Docket Number	Q73758

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
B		WO	82/04363 ✓		12/1982		Abstract
		JP	11-113213 ✓		4/1999		Abstract
		EP	0 836 185 ✓	A2	4/1998		Yes
		JP	59-112402 ✓	A	6/1984		Abstract
		JP	11-39787 ✓	A	2/1999		Abstract
		JP	11-154371 ✓	A	6/1999		Abstract
		JP	11-203776 ✓	A	7/1999		Abstract
		JP	11-206067 ✓	A	7/1999		Abstract
		JP	11-275805 ✓	A	10/1999		Abstract
		JP	11-025585 ✓	A	1/1999		Abstract
		JP	11-086428 ✓	A	3/1999		Abstract
		JP	11-069707 ✓	A	3/1999		Abstract
		JP	11-096660 ✓	A	4/1999		Abstract
		JP	10-208374 ✓	A	8/1998		Abstract
		JP	11-098759 ✓	A	4/1999		Abstract
		JP	10-309059 ✓	A	11/1998		Abstract

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
B		Transactions of the Japan Society of Mechanical Engineers, June 1979, pp. 645-652	

Examiner Signature	B. Miller	Date Considered	8/8/06
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Sheet

1

of 1

Application Number

Confirmation Number

Unknown

Filing Date

January 08, 2003

First Named Inventor

Jin-seung SOHN

Art Unit

2653 (Parent) 2627

Examiner Name

G. Letscher (Parent) B. MILLER

Attorney Docket Number

Q73758

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		Number	Kind Code <sup>2</sup> (if known)		
B		US 5,130,870 ✓		07/92	JABBARI
		US 5,537,272 ✓		07/96	KAZMIERCZAK et al.
		US 3,410,154 ✓		11/12/1968	DEAKIN
		US 3,799,619 ✓		03/26/1974	LaBARBER
		US 3,854,347 ✓		12/17/1974	HELLERICH
B		US 5,177,731 ✓		01/05/1993	Shinsaku TANAKA et al.

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)			
B		EP	0 829 872 ✓	A2	03/18/1998		
		WO	98/03974 ✓		01/29/1998		
		JP	62-24052 ✓		02/87		
		JP	1-243604 ✓		09/98		
		JP	11-4558 ✓		01/99		
		EP	0 434 270 ✓	A2	06/26/1991		
		JP	2-139758 ✓		05/29/1990		
		JP	3-86968 ✓		04/11/1991		
		JP	10-83622 ✓		03/31/1998		
		JP	10-92094 ✓		04/10/1998		
		JP	58-133673 ✓		08/09/1983	NEC CORP	
		WO	93/23687 ✓		11/25/1993	Gary TAYLOR et al.	
B		CN	1089700 ✓	A	07/20/1994		

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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B		PATENT ABSTRACTS OF JAPAN, vol. 014, no. 376 (P-1092), 8/14/90 & JP 02 139758 A (CANON INC) 5/29/90 *abstract	
B		PATENT ABSTRACTS OF JAPAN, vol. 015, no. 266 (P-1223) 7/5/91 & JP 03 086968 A (FUJITSU LTD) 4/11/91 *abstract	
B		Transactions of the Japan Society of Mechanical Engineers, June 1979, pp. 645-652 (previously cited)	

Examiner Signature

B. Smith

Date Considered

8/9/06

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